



#### ■ Features:

- DC input:40VDC--60VDC
- High Efficiency, and High reliability
- Output protections:OCP/SCP /OVP /OPP
- Wide operating ambient temperature (0°C -45°C)
- All using 105°C long life electrolytic capacitors.
- 100% full load burn-in test
- 1year warranty

### SPECIFICATION

MODEL		DCM-48D20S12		
OUTPUT	Output Number	V1		
	DC Output	12.0V		
	Rated Current	1.6A		
	Current Range	Note 1	0~1.6A	
	Ripple and Noise	Note 2	0~45°C	100mV
	Voltage Accuracy	±2.0%		
	Line Regulation	±0.5%		
	Load Regulation	±1.0%		
	Set-up Time	/		
	Hold up Time	/		
	Temperature Coefficient	±0.3%/°C		
	Overshoot and Undershoot	<5.0%		
INPUT	Voltage Range	40VDC--60VDC		
	Frequency Range	/		
	Efficiency ( Typical)	70%		
	DC Current (max.)	0.8A		
	Inrush Current (Typical)	25A		
	Leakage Current	/		
PROTECTION	Over Power	110%~180% Constant Rate output power		
	Over Current	110%~180% Constant Rate output power		
	Over Voltage	110%~180% Shut down		
	Shorted Circuit	Long-term mode, auto recovery		
ENVIRONMENT	Operating amb.Temp.& Hum.	0°C -45°C; 20%-95%RH No condensing		
	Storage Temp. & Hum.	-25°C -85°C; 10%-95%RH No condensing		
SAFETY & EMC (Note 3)	Safety Standards	GB4943-2001; EN60950-1: 2006		
	Withstand Voltage	Primary-Secondary:0.5KVAC; ≤10mA.Primary-PG:0.5KVAC; ≤10mA.Secondary-PG:0.5KVAC; ≤10mA.		
	Isolation Resistance	≥100M ohms		
	EMI Conduction&Radiation	/		
	Harmonic Current	/		
OTHERS	EMC Immunity	/		
	MTBF (MIL-HDBK-217F)	More than 100,000Hrs (25°C, Full load)		
	Dimension (L*W*H)	143×59×38mm		
NOTE	Cooling method	Cooling by free air convection		
		<ol style="list-style-type: none"> <li>All parameters NOT specially mentioned are measured at rated input, rated load and 25°C of ambient temperature.</li> <li>Measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1 uF &amp; 10uF parallel capacitor.</li> <li>The SPS is considered a component which will be installed into final equipment. The equipment must be re-confirmed that it still meets EMC directives.</li> </ol>		